

### RATING CONDITIONS

18.3 C Return Gas  
0 K Subcooling  
35 C Ambient Air Over

50 Hz Operation

## MEDIUM TEMPERATURE

HFCs Require Use of Polyol Ester Lubricant Approved on Form 93-11

### 2DL3R78KE-TFD

COPELAMETIC® HFC-404A  
DISCUS® COMPRESSOR  
TFD 380/420-3-50

### Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-20(3)	-15(3.6)	-10(4.3)	-5(5.1)	0(6)	5(7.1)	7(7.5)
60 (29)	C	5400	6900	8550	10500	12800	15400	16500
	P	4510	5100	5700	6250	6800	7250	7450
	A	9.2	10	10.9	11.7	12.5	13.1	13.4
	M	210.5	272	345	431	535	655	710
	E	1.2	1.4	1.5	1.7	1.9	2.1	2.2
	%	71.7	73.1	73.9	74.4	74.6	74.4	74.2
50 (23)	C	7100	8950	11150	13650	16500	19900	21300
	P	4390	4900	5400	5800	6200	6500	6600
	A	9	9.7	10.4	11	11.5	12	12.1
	M	229	293	367	455	565	690	745
	E	1.6	1.8	2.1	2.3	2.7	3	3.2
	%	72.1	73.2	73.7	74	74.1	73.7	73.4
40 (18)	C	8750	11000	13600	16600	20100	24100	25800
	P	4130	4540	4900	5200	5400	5550	5550
	A	8.7	9.2	9.7	10.1	10.4	10.6	10.6
	M	245	310	387	480	585	715	775
	E	2.1	2.4	2.8	3.2	3.7	4.3	4.6
	%	72.4	73.1	73.4	73.4	73.2	72.4	71.8
30 (14)	C	10500	13050	16100	19500	23600	28200	30000
	P	3790	4080	4300	4440	4490	4430	4380
	A	8.2	8.6	8.9	9.1	9.2	9.1	9
	M	261	327	405	500	610	740	800
	E	2.8	3.2	3.7	4.4	5.3	6.4	6.9
	%	72.3	72.4	72.3	71.9	71	69.2	68.2
20 (11)	C	12400	15200	18600	22500	27100	32500	
	P	3400	3560	3630	3610	3470	3210	
	A	7.8	8	8.1	8	7.9	7.5	
	M	279	345	424	520	630	760	
	E	3.6	4.3	5.1	6.2	7.8	10.1	
	%	71	70.4	69.4	68	65.6	61.3	
10 (8)	C	14600	17700	21300	25600			
	P	3000	3020	2930	2720			
	A	7.4	7.4	7.3	7			
	M	301	367	445	540			
	E	4.9	5.9	7.3	9.4			
	%	67.1	65	62.3	58.2			

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

C:Capacity(Watts), P:Power(W), A:Current(Amps), M:Mass Flow(kg/hr), E:COP(W/W), %:Isentropic Efficiency(%)